Name:_____

Mr. Tiénou-Gustafson & Mr. Bielmeier

Geometry, Period_____

Due Date: Thu, 5 Nov 2015

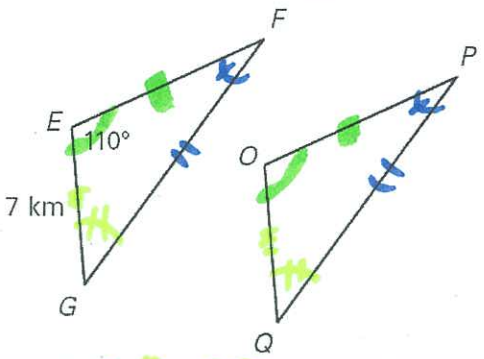
HW95_SAS+ASA

Geometry Homework

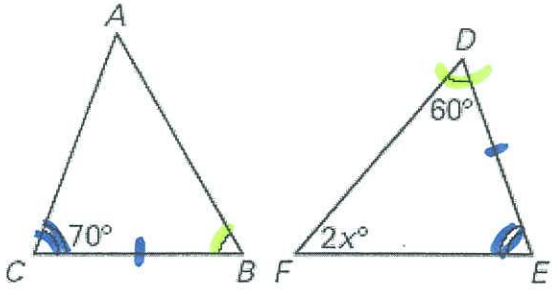
Form A

In the diagram, $\Delta EFG \cong \Delta OPQ$. Complete the statement.

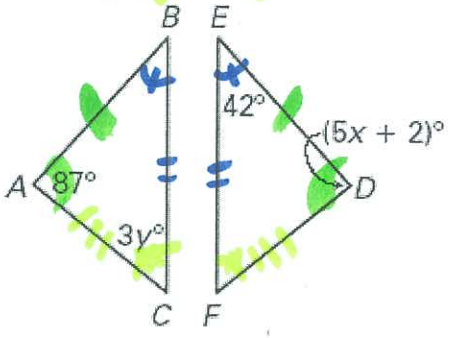
1. $\overline{EF} \cong$ ____
2. $\angle P \cong$ ____
3. $\angle G \cong$ ____
4. $m\angle O =$ ____
5. $QO =$ ____
6. $\Delta GFE \cong$ ____



7. Find the value of x. CB ≅ ED

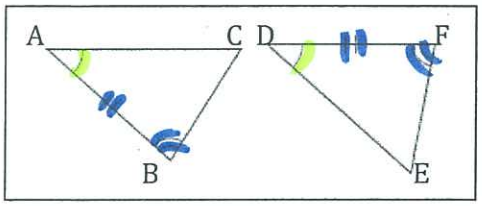


8. Given $\Delta ABC \cong \Delta DEF$, find the value of x and y.



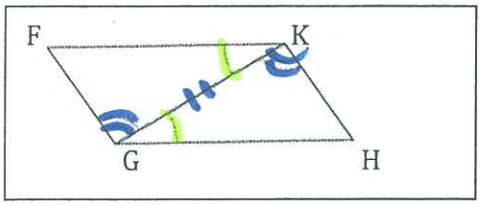
Directions: Use A T-chart proof (statement | reason OR S | R) to justify which triangles are congruent.

1)



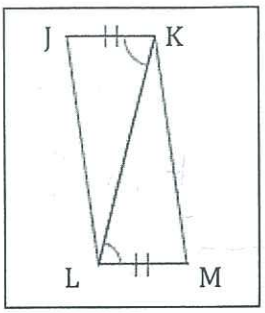
Statement	Reason
1. $\angle A \cong$	1.
2. $\overline{\quad} \cong$	2. given
3. $\angle$	3.
4. Δ_____ $\cong \Delta$_____	4. ___ ___ ___

2)

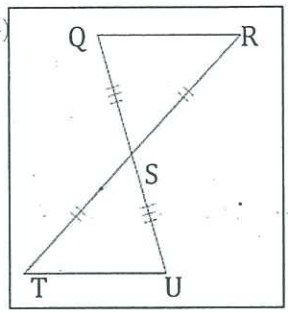


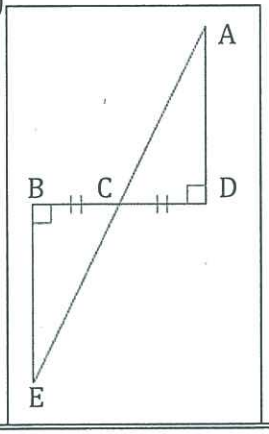
S	R

Define Your Pride.

3) 

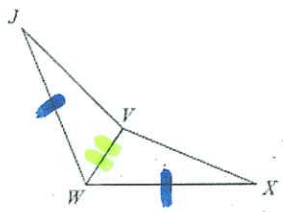
(continue using proofs)

4) 

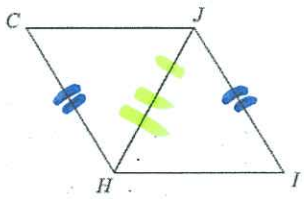
5) 

State what additional information is required in order to know that the triangles are congruent for the reason given.

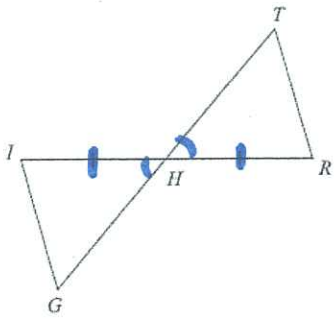
1) SAS



2) SSS



3) SAS



4) ASA